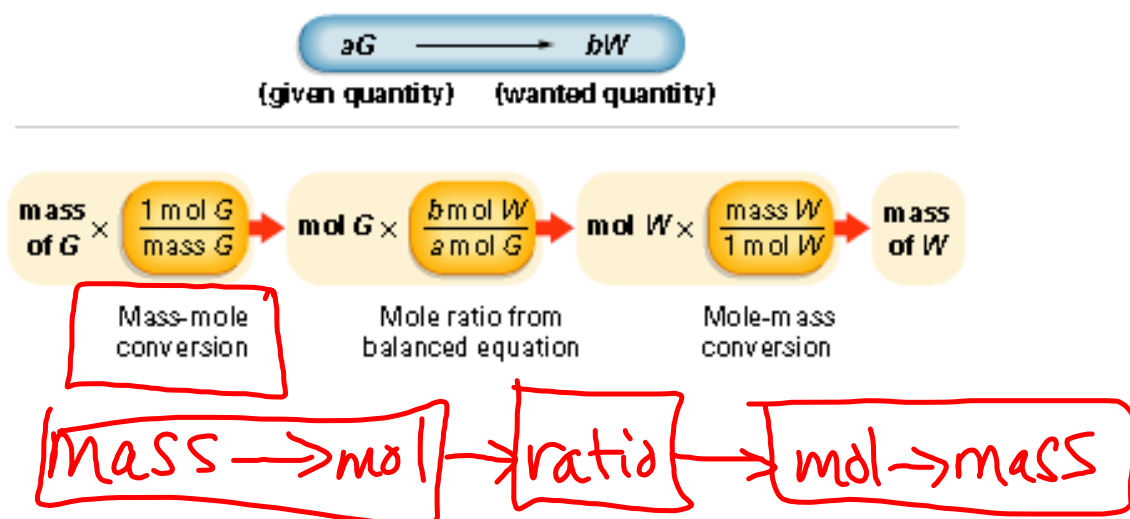
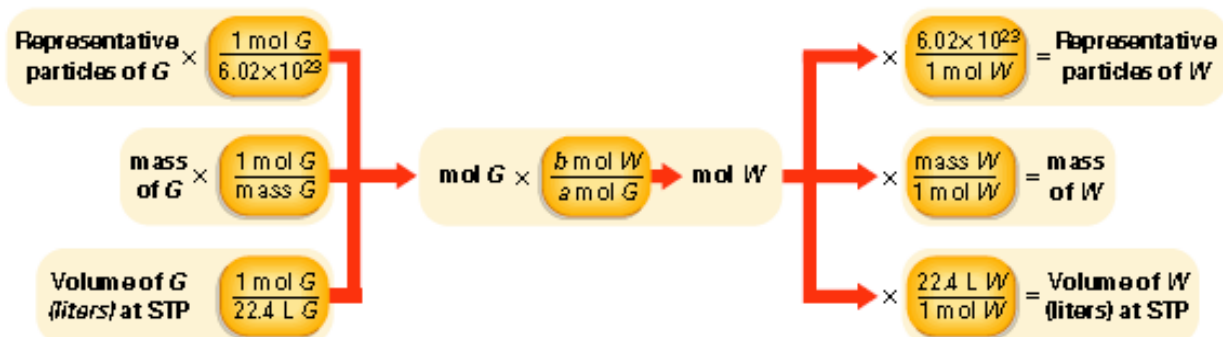


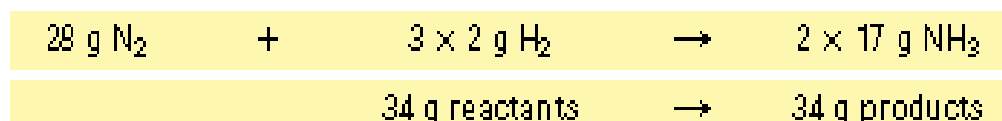
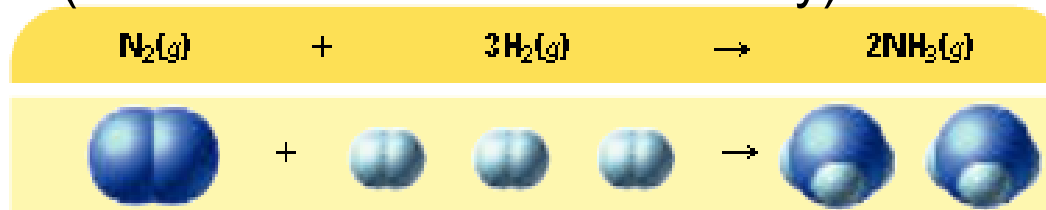
Stoichiometry Mass-Mass



Stoichiometry- Other kinds



Volume-Volume Stoichiometric Calculations (same as mol/mol stoichiometry)



With Volume Volume (and mol/mol)Stoichiometry:

1. Write a balanced equation with the volumes(moles) written below.

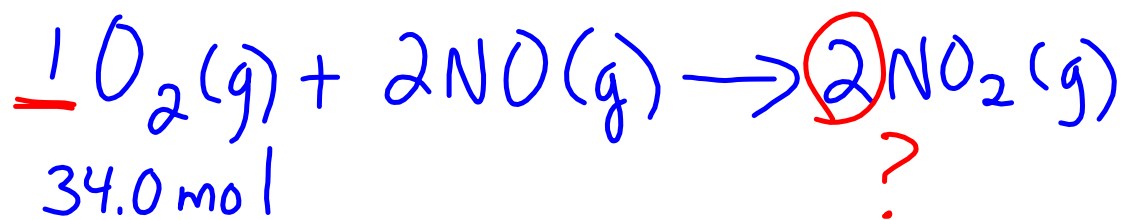
2. Multiply the volume by unknown coefficient
or mol given coefficient

**this means that once you have a balanced equation, there is only one step of work for a mol/mol or vol/vol stoichiometry question

Mol/mol Stoichiometry

Example

How many moles of nitrogen dioxide are produced when 34.0 mol of oxygen reacts with an excess of nitrogen monoxide?



$$34.0 \text{ mol} \times \frac{2 \text{ mol ?}}{1 \text{ mol given}} = 68.0 \text{ mol}$$

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